9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GHRP1

Growth Hormone Releasing Peptide-1
HRM0039

Product Overview

Name	GHRP1

Description

Growth Hormone Releasing Peptide-1

Synonyms

GHRP-1, GHRP1.

Introduction

GH-releasing peptides (GHRPs) are synthetic peptides that like GHRH effect on pituitary somatotrophs to stimulate GH release. The GHRP1 is one of several synthetic met-enkephalin analogs that owns unnatural D-amino acids. They were developed for their growth hormone (GH) releasing activity and called GH secretatogues. They lack opioid activity but are potent stimulators of GH release. These secretatogues are distinct from the growth hormone releasing hormone (GHRH or GHRF) as they share no sequence relation and derive their function through action at a completely different receptor, the ghrelin receptor.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Formulation

The protein was lyophilized with no additives.

Stability

Lyophilized Growth Hormone Releasing Peptide-1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GHRP1 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by analysis by RP-HPLC.

Amino acid sequence

Ala-His-(D-β-Nal)-Ala-Trp-(D-Phe)-Lys-NH2.

Solubility

It is recommended to reconstitute the lyophilized GHRP1 in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

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Precautions

GHRP1 is for research use only and not for use in diagnostic or therapeutic procedures.